Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/07/2017 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126299	1	1.24	126133	1.22
Blue	F	SSC	125000	123437	-2	3.03	123733	2.92
Blue	E	FITC	23615	23050	-3	2.35	1029	10.17
Blue	D	PE	26739	26435	-2	1.96	949	9.98
Blue	B	PerCP-Cy5-5	48339	47412	-2	3.43	1371	17.27
Blue	A	PE-Cy7	45021	44546	-2	5.14	695	35.50
Red	C	APC	53064	52094	-2	2.69	2994	9.31
Red	A	APC-Cy7	57175	55969	-3	2.68	1189	11.07
Violet	B	V450	14728	14319	-3	5.64	684	9.60
Violet	A	V500	58621	58415	-1	5.54	2590	7.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19408	2.40	610	-4	N/A	N/A	Pass
Blue	F	SSC	61193	1.39	546	0	N/A	N/A	Pass
Blue	E	FITC	114	39.65	545	-3	0.0212	199	Pass
Blue	D	PE	207	29.46	536	0	0.1528	232	Pass
Blue	B	PerCP-Cy5-5	214	45.12	633	-2	0.0095	61	Pass
Blue	A	PE-Cy7	75	119.65	692	-1	0.0118	16	Pass
Red	C	APC	350	27.18	594	-3	0.0210	64	Pass
Red	A	APC-Cy7	130	39.71	577	-3	0.0056	1636	Pass
Violet	B	V450	84	43.99	467	-3	0.0582	2934	Pass
Violet	A	V500	187	22.64	495	-2	0.0164	612	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.40	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.33
Red	19.02	14.40 - 21.60	N/A	N/A	30.96	31.39	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9899

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments